

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: College Notes

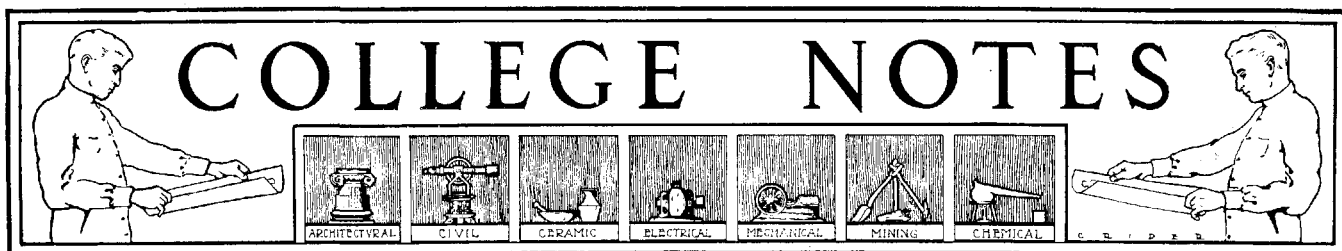
Issue Date: Apr-1918

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 1, no. 2 (April, 1918), 58-61.

URI: <http://hdl.handle.net/1811/33957>

Appears in Collections: [Ohio State Engineer: Volume 1, no. 2 \(April, 1918\)](#)



ENGINEERS AND THE WAR

When the selective service act of our government became operative early in the summer of last year, there were several classes of men that seemed unfairly placed in the draft. One of these classes was composed of the students in the technical schools throughout the country. These men were indiscriminately placed in the First Class of the draft and were not given any deferred classification at all in recognition of the fact that they were receiving education, valuable to a government at any time, but especially valuable in time of war. It was only one of the problems that arose out of the hustle and bustle, which the pressing need for a draft law, required. But this problem did not remain one, for long, for the practicing engineers and especially those engaged as instructors in the various engineering colleges and universities immediately brought influence to bear upon the government toward the end of having the situation alleviated and a fair adjustment made.

Consequently, in due time, Dean Coddington of the Engineering College of this University received notice of the fact that a certain percentage of the engineering students, one-third the highest ranking students as based on the grades of the graduates of the past ten years, would be permitted to enlist in the Enlisted Engineers' Reserve Corps and would, thereby, be placed in Class 5 of the selective draft. Immediately, the grade cards of the engineering students were gone over and a list of men, eligible to this enlistment, was prepared. The eligible men were notified of their eligibility, and, as a result, a great many men are at present enlisted in this branch of the service. These men will be allowed to remain in school until graduation, when their disposition will be up to the war department.

Recently, notice has been received by Dean Coddington, to the effect that engineers who have been called previously, and who are now in a draft camp, may apply for a transfer and be thus detailed back to school until the completion of their engineering course.

In addition to the men in the Enlisted Engineers' Reserve Corps, there are quite a few men who are enlisted in the Ordnance Department and who are detailed back to school for the purpose of research work along the chemical line.

A GENERAL ENGINEERING SOCIETY

The magazine has as one of its purposes the fostering of a stronger bond among the different branches of the Engineering College.

For this reason, it is desired to create a "General Engineering Society" which will bring the seven engineering societies into closer touch with each other, which will co-operate with each individual society, and which will be the official organization of the Engineering College.

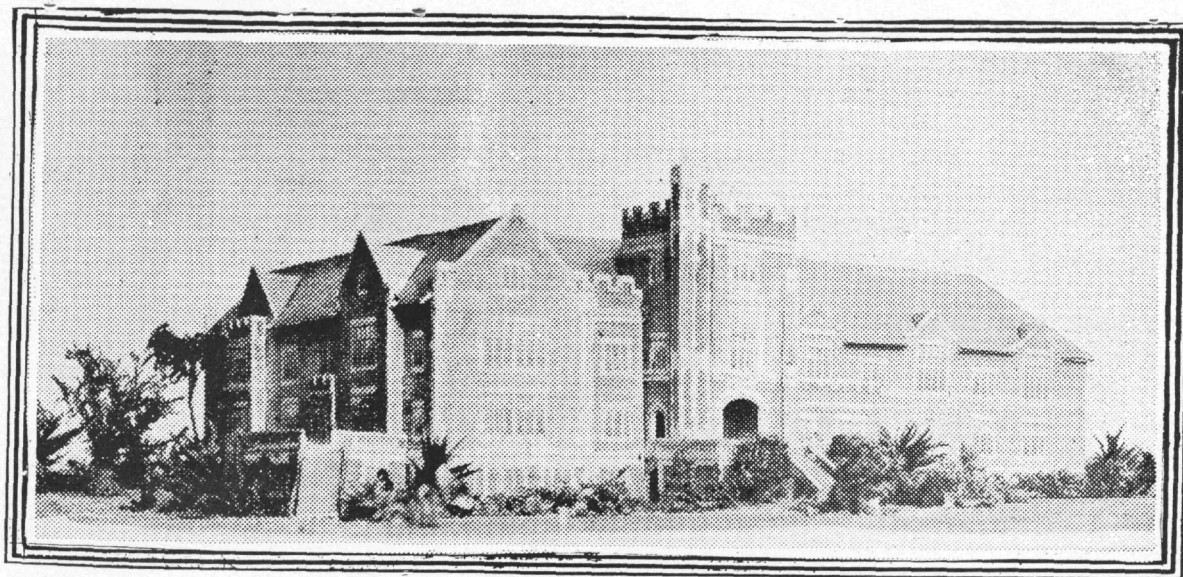
The duties of this organization will be to bring prominent speakers to the campus and to have charge of all meetings of a general engineering nature. The special meetings of each society will also be given their proper publicity and conflicts will be avoided. The organization will promote the interests of the Engineering College in every way possible, through social functions, discussions, and through the medium of the Ohio State Engineer.

The presidents of the different engineering societies shall comprise a board which will elect a president and secretary for the General Society from the Engineering College at large. The president shall have charge of joint meetings and other gatherings of a general nature. The secretary shall be the publicity agent and have charge of the correspondence of the society.

The membership of the society will consist of all members of the separate Engineering Societies. Each society will contribute an amount determined from the budget which is found to be necessary to run the society for the year.

This society has already been started and is backed by the Ohio State Engineer. We enlist your services in making it a success.

The Schoedinger-Marr Prize. In the hope that Engineering students have not entirely forgotten the Schoedinger-Marr Literary Contest, we again wish to make mention of it. Since the last issue only one article was received. We are sure that in no other group of six to eight hundred men would an offer of such an easy \$10 be so basely ignored. Make an inventory of your general fund of knowledge and try to convince yourself to hunt up that old theme tablet. A well prepared Engineering report would make an excellent entry. The subject is to be of the writer's own choosing, the only



Proposed Womans Building

requirement being that it be of a technical nature. All Sophomore, Junior and Seniors in the College of Engineering are eligible.

The original date for the closing of the contest has passed but the lack of competition has caused a postponement. All articles should be at the desk in Lord Hall by May 12, 1918. The prize will be awarded before the close of school.

MINING

War has continued its inroads on the student A. I. M. E. With only two Seniors, one Junior and ten Sophomores in school the society has not been very active.

A celebration was held however by each member, wherever he happened to be on the evening of March 23, in honor of Prof. H. E. Nold, who left the ranks of the bachelors Thursday, March 21, to wed Miss Bessie Grey of this city. The society wishes them the best of good luck and happiness.

We take this opportunity of urging all our members to communicate with the magazine as to their whereabouts and activities if they do not return to the University in the fall. We are few in number and should keep in touch with each other through the magazine.

ARCHITECTURE

While the activities of the normal male registration of the University has been rapidly decreasing and we are bending our energies in the abnormal activities on the campus in connection with the military situation, the need of taking care of the ever-increasing and necessary requirements of the women students has been recognized.

The university architect's office has studied the

problem of the gymnasium and social union thoroughly and has presented to the Board of Trustees the results of their study in the form of plans and a small scale model of the proposed building.

The building is to be located on the south bank of Mirror Lake with the gymnasium front on Neil avenue. The tentative plans have been approved by the Board of Trustees. It is hoped that the necessary preparations can be made to start the building operations during the summer.

Prof. Ronan is giving instruction in Range Finding to the students in the School for Adjutants.

The Architectural Club met March 10. Prof. Smith gave an interesting talk, the subject being, "Dollars and Sense in Architecture."

A Smock Dance has been planned by the Architectural Club to be given in the Ohio Union after Easter.

Howard Yerges, football star and architect, '18, is spending part of his two weeks furlough from U. S. N. R. with his family and friends in Columbus.

Brand, East, Hardman, Gleach, Cool, Rennick, and Scheuneman left March 27th for Cleveland to take examinations for Ensign School.

CERAMIC

On January 14th, Mr. H. G. Schurecht gave a very interesting talk on Glass Pot Manufacture. Mr. Schurecht is a graduate of the Ceramic College of the University of Illinois. He was formerly connected with the Findlay Glass Pot Company of Washington, Pa., and is now engaged in research work for the Bureau of Mines Experiment Station here.

The annual convention of the American Ceramic Society was held at Indianapolis February 11-16. Members of the Senior class and several Juniors attended the meeting. Papers were read and discussed covering every phase of the ceramic industry. These papers were very instructive and interesting for it is at this time that the latest developments in the ceramic industry are disclosed for the first time.

The visiting members were guests at a banquet given by the National Brick Makers Association which also convened at this time.

The first meeting of the second semester was held March 6.

In place of a regular speaker for this meeting, a discussion of the papers read before the National Society was led by Professors Watts and Wilson and members of the Senior class.

At this meeting Lawrence H. Brown was elected a member of the Advisory Board of the Ohio State Engineer, and W. E. Cramer was elected vice chairman to succeed A. E. Shaw who has left for the service.

C. W. Bolen and Joseph Krusan have also left for the service.

On March 26 the Ceramic and Chemical Societies held a joint meeting in the Ohio Union. Prof. C. A. Norman, of the Department of Mechanical Engineering, gave an interesting talk on "Problems of Industrial Management." Prof. C. B. Harrop, of the Department of Ceramic Engineering, gave an interesting talk on "Ceramic Activities in War Work." Professor Harrop recently attended a meeting of the Central Ohio branch of the American Ceramic Society and was thus able to give a resume of what war work is being done, especially in optical glass and electrical porcelain.

Sergeant Carl G. Farmer, ex-'18, was home on a five days furlough recently. Sergt. Farmer is located at Camp Sheridan in the Ordnance Department.

The excavation work for the tunnel drier which is to be built for the Bureau of Mines Experiment Station, has been started.

MECHANICAL

This, like all other departments of the engineering college is being thinned out almost daily by the call to service. Attendance at classes can almost be taken on the fingers. It is too bad that we cannot all be Seniors that we might immediately get into action in this spring drive and help make the kaiser feel the effect of the O. S. U.

The increased work due to the early closing of school has nearly been the ruin of the student branch of the A. S. M. E., although the two meetings held were veritable "life-savers," thanks to

Mr. Fikret who read a paper on "Success" on February 20, and the talk by Prof. Meiklejohn on "Power" at the meeting of March 19. The A. S. M. E. is preparing to have its annual banquet some time in April. This is earlier than usual in order that as many as possible may attend before being called by the draft.

V. C. Darnell, a member of last year's Junior class, has returned this semester and besides carrying some school work, has charge of the instrument room in Robinson laboratory.

The following is a list of theses being run by this year's Mechanicals:

"Tests of Baker Uniflow Steam Engine," by Glenn Allen Barber and Ray Lewis Clapper.

"Tests of a DeLaval Turbo-Centrifugal Boiler Feed Pump," by Dwight Cherrington Batterson and John Earl Hunt.

"Tests on a Multiple-Bearing Testing Machine," by Arnold George Breckling, Wilford Paul Crise, and William Thomas Ladkin.

"Study of the Flow of Water Thru Pipe Orifices," by Paul Bucher and Falor Edwin Smyser.

"Tests of a Ford Motor for Fuel Economy," by William Kerber, Harry Elwood Schieber, and Clyde Littick Smith.

The article by Mr. Bailey in this issue on "The Coal Problem" had an advance notice when he talked to the Senior class on January 15. Mr. Bailey was at the University conducting, with Prof. Judd, some tests on the flow of water through pipe orifices. The talk he gave the class was much appreciated and touched upon the principal points of his present article.

CHEMICAL

The students branch of the Chemical Society have held four very interesting meetings since the last issue of the Engineer. At the first of these, January 3, R. F. Hamilton described the effects of carbon monoxide poisoning in the steel industries, and L. G. Trostel gave an interesting discussion on "Soluble Oils." At the meeting held February 13, the society was indeed fortunate to secure Mr. C. P. Hoover, chemist at the city filtration plant to address them on the subject of "Water Filtration in Columbus." Mr. Hoover explained very clearly the method by which the water is purified and made fit for industrial purposes. At the meeting held March 6, John Ort described the process of the "Fixation of Atmospheric Nitrogen," and F. V. Dout talked on the subject of "Acetylene Welding." On March 26, a joint meeting of the Chemical and Ceramic Societies was held. Professor Norman of the M. E. Department, talked on the problem of industrial management. He warned the engineers against the acquiring of such a great absorption

in their work that other equally vital interests such as the handling of men be neglected. Professor Harrop, of the Ceramic Department, discussed the possibilities of the work the ceramic industry would be able to do during and after the war.

We have long wished to ask Dr. Henderson's pardon for sleeping in his one o'clock classes, but up to this time we have had no occasion to do so. However we wish to assure him it is not due to any disrespect, but at this time of day the theory of chemistry is so soothing to our chemical minds that we involuntarily enter the land of sweet dreams.

It has been tacitly acknowledged for years throughout our chemistry department that women are infinitely inferior to men mentally if not in every way, at least in this particular branch of study. Can it be possible that "the equal rights" branch of the fair sex has been so far deterred from descending on the heads of the department by the thought of the easily obtained passes they might lose by so doing?

Dr. Wilder D. Bancroft, Professor of Chemistry at Cornell University, will deliver an address to the local branch of the American Chemical Society May 16th, on the subject of "Gas Warfare," which will be illustrated by lantern slides. All interested are cordially invited to attend.

Persons observing a large object floating thru the sky near Columbus are warned not to shoot at it, as it will not be a German dirigible, but merely the Chemistry building carried away at last by one of those internal gas explosions.

CIVIL

The Civil Engineers Club held a special meeting January 14th. Mr. Meyers, a representative of the Portland Cement Association, gave a lecture on "Concrete Roads." His lecture was accompanied by pictures, and he told of and explained all the new appliances for building concrete roads. He explained processes which, by years of experience, had proven to give best results.

Mr. Donaldson, a representative of the Portland Cement Association, gave an illustrated lecture on "Field Tests for Concrete Aggregates" on March 8th in Brown Hall. He explained many of the tests on concrete aggregates that the engineer might use in the field for a hurried but reliable determination of the qualities of materials to be used. He demonstrated the colorimetric test for organic impurities in sand and also told of the extensive experiments carried on in the laboratories of the Association as a basis for the classification of the properties of such materials.

The Civil Engineering Department has a new

service banner with 93 stars representing 93 students, ex-students, and alumni who have answered the call. The banner is made of cardboard, with the name of each man lettered under the star which represents him. It has been framed and hung in the corridor of Brown Hall near the entrance.

Prof. Sherman, head of the Department of Civil Engineering, who is on leave of absence, is now completing the "Topographic Survey of Ohio." He is working on Volumes III and IV of the report.

Professor Eno, professor of Municipal Engineering, recently made a trip to Camp Sherman where he inspected the sanitary features of the camp and the pavements used.

The new course in Municipal and Sanitary Engineering has three students enrolled. This is as good as can be expected since the war has cut down all enrollments.

ELECTRICAL

The student branch of the American Institute of Electrical Engineers has been holding its regular bi-weekly meetings, and has been fortunate in securing some of the best speakers in the electrical field for these meetings. Among those who have spoken before the Institute are: Mr. M. C. Turpin of The Westinghouse Electric & Mfg. Co., on "The Electrification of Steam Railroads;" "Life of Edison," by General Electric Co.; Illustrated talk on "Applications of Electricity in Coal Mining," by Mr. J. C. Beltz of The Jeffrey Mfg. Co. These meetings have been very successful, and were attended by a large number of students.

Prof. F. C. Caldwell has been confined to his home for some time by a rather severe attack of the Grippe. Fortunately he is much better at this time, and hopes to soon be able to meet his classes again.

Because of the present unsettled business conditions, and the withdrawal from school of such a large number of students, it has been definitely decided to postpone the Electrical Show until next year.

The Electrical end of Robinson Laboratory has again resumed its usual business-like appearance, since the removal to the Aeronautical Laboratory of the two aeroplanes. The Aeronautical Laboratory has recently been completed and the removal of the machines leaves the Electrical Department in a much less crowded condition, thus giving the students better working conditions.

Practically all of the Senior Electricals are now in the Engineers Enlisted Reserve Corps, and will upon graduation be transferred to the Signal Corps. At present they are doing radio work as prescribed by the government.